

MINI  **TECNO**™
small but strong

NDWMP
ECWMP

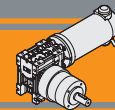
Motoriduttori CC combinati
DC double reduction gearmotors



MINI  **TECNO**™ brand of
TRANSTECNO®



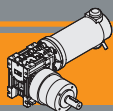
DC



Indice	Index	Pag. Page
Caratteristiche tecniche	<i>Technical features</i>	BM2
Designazione	<i>Classification</i>	BM2
Versioni	<i>Versions</i>	BM2
Simbologia	<i>Symbols</i>	BM2
Lubrificazione	<i>Lubrication</i>	BM3
Carichi radiali	<i>Radial loads</i>	BM3
Rapporti	<i>Ratios</i>	BM3
Dati tecnici	<i>Technical data</i>	BM4
Dimensioni	<i>Dimensions</i>	BM6

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Caratteristiche tecniche

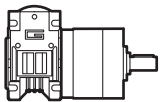
Technical features

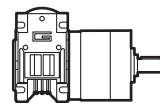
L'accoppiamento di un riduttore a vite senza fine con un riduttore epicicloidale consente di ottenere elevati rapporti di riduzione ($i_{max} = 1/18452$) e di disporre di un gruppo autolubrificato compatto, silenzioso e con un'elevata affidabilità.

The coupling of a wormgearbox to a planetary gearbox allows to obtain high reduction ratios ($i_{max} = 1/18452$) and to get a compact, silent, self lubricated with high reliability group.

Designazione

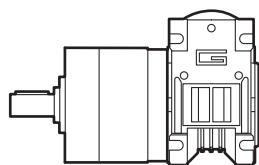
Classification

MOTORIDUTTORE / GEARMOTOR								
NDWMP	120/026/52		2	CD	90	405	240	BR
Tipo Type	Grandezza Size		Numero stadi epicicloidale Planetary stages number	Versione Riduttore Gearbox Version	Flangia Uscita Output flange	Rapporto Ratio	Versione Motore Motor Version	Opzioni Options
	120/026/52 120/026/62	180/026/62	1	US	80	Vedere tabella See tables	120 240	BR BRL
			2	UD	90			
			3	CS	105			
				CD	120			

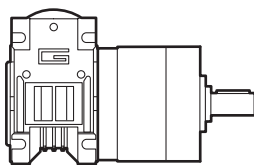
MOTORIDUTTORE / GEARMOTOR									
ECWMP	070/026/52			2	CD	90	405	240	BR
Tipo Type	Grandezza Size			Numero stadi epicicloidale Planetary stages number	Versione Riduttore Gearbox Version	Flangia Uscita Output flange	Rapporto Ratio	Versione Motore Motor Version	Opzioni Options
	070/026/52 070/026/62	100/026/52 100/026/62	180/026/62	1	US	80	Vedere tabella See tables	120 240 24E	BR BRL
				2	UD	90			
				3	CS	105			
					CD	120			

Versioni

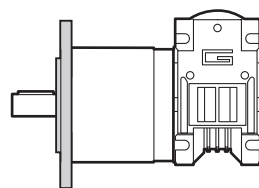
Versions



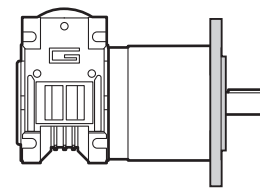
US



UD



CS

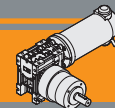


CD

Simbologia

Symbols

- n_1 [min^{-1}] Velocità in ingresso / *Input speed*
- n_2 [min^{-1}] Velocità in uscita / *Output speed*
- i Rapporto di riduzione / *Ratio*
- P_1 [kW] Potenza in entrata / *Input power*
- M_n [Nm] Coppia nominale in uscita del riduttore / *Maximum output torque of the gearbox*
- M_2 [Nm] Coppia in uscita in funzione di P_1 / *Output torque referred to P_1*
- sf Fattore di servizio / *Service factor*
- Rd % Rendimento dinamico / *Dynamic efficiency*
- A_2 [N] Carico assiale ammissibile in uscita / *Permitted output axial load*
- R_2 [N] Carico radiale ammissibile in uscita / *Permitted output radial load*



Lubrificazione

Lubrication

I riduttori a vite senza fine della serie CM sono lubrificati a vita con olio sintetico di viscosità 320 e possono essere installati in qualunque posizione di montaggio.

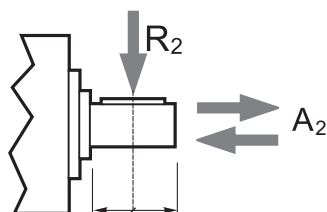
Permanent synthetic oil long-life lubrication allow to use CM wormgearbox range in all mounting position.

I riduttori epicicloidali sono lubrificati in modo permanente, non richiedono quindi ulteriore manutenzione. Questo gli consente di essere installati praticamente ovunque.

Planetary gearboxes are life-time lubricated with grease, therefore they are maintenance free. They can be installed in any location.

Carichi radiali

Radial loads



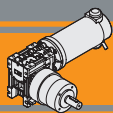
Numero di stadi Stages number	Carichi Radiali R_2 [N] Radial Load R_2 [N]		
	P52	P62	P81
1	200	240	400
2	320	360	600
3	450	520	1000

Numero di stadi Stages number	Carichi Assiali A_2 [N] Axial Load A_2 [N]		
	P52	P62	P81
1	60	70	80
2	100	100	120
3	150	150	200

Rapporti

Ratios

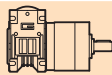
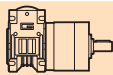
Motoriduttore Gearmotor	Numero stadi epicicloidale Planetary stages number	Rapporto epicicloidale Planetary ratio	Rapporto vite senza fine Wormgearbox ratio	Rapporto finale Total ratio
.../026/052 .../026/062	1	6.75	10	67.5
			15	101.3
			20	135
			30	202.5
			40	270
			50	337.5
	2	25.01	10	250.1
			15	375.15
			20	500.2
			30	750.3
			40	1000.4
			50	1250.5
			60	1500.6
	45.56	60	2734	



Dati tecnici per servizio S2

NDWMP

Technical data for S2 duty

P ₁ [W]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i		Versione motore Motor version	P ₁ [W]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i		Versione motore Motor version
160							250						
(3000 min ⁻¹)	44.4	22.8	1.1	67.5	120/026/521	120/240	(3000 min ⁻¹)	44.4	25.0	1.0	67.5	180/026/521	120/240
	29.6	25.0	1.0	101.3									
	22.2	25.0	1.0	135									
	14.8	25.0	1.0	202.5									
	11.1	25.0	1.0	270									
	8.9	25.0	1.0	337.5									
	7.4	25.0	1.0	405									
	12.0	25.0	1.0	250.1			120/026/522	120/240					
	8.0	25.0	1.0	375.15									
	6.0	25.0	1.0	500.2									
	4.0	25.0	1.0	750.3									
	3.0	25.0	1.0	1000.4									
	2.4	25.0	1.0	1250.5									
	2.0	25.0	1.0	1500.6									
	1.1	25.0	1.0	2734									
	44.4	23	1.7	67.5	120/026/621	120/240							
	29.6	34	1.2	101.3									
	22.2	40	1.0	135.0									
	14.8	40	1.0	202.5									
	11.1	40	1.0	270.0									
	8.9	40	1.0	337.5									
	7.4	40	1.0	405.0									
	12.0	50.0	1.0	250.1	120/026/622	120/240							
	8.0	50.0	1.0	375.15									
	6.0	50.0	1.0	500.2									
	4.0	50.0	1.0	750.3									
	3.0	50.0	1.0	1000.4									
	2.4	50.0	1.0	1250.5									
	2.0	50.0	1.0	1500.6									
	1.1	50.0	1.0	2734									

NOTA:
Verificare sempre che la coppia M₂ utilizzata non ecceda il valore indicato nelle caselle in grigio

NOTE:
Please check that the output torque M₂ does not exceed the value in the grey areas

NOTA: per servizio continuo o altamente intermittente, contattare il servizio tecnico

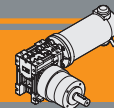
NOTE: for continuous or highly intermittent duty, please contact our technical service

Dati tecnici elettrici

Electrical technical data

ND 120 → 

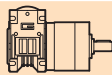
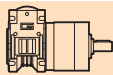
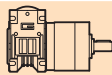
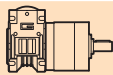
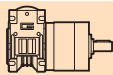
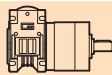
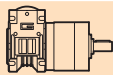
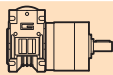
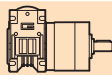
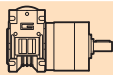
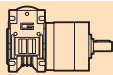
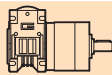
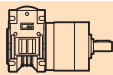
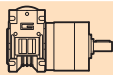
ND 180 → 



Dati tecnici per servizio S2

ECWMP

Technical data for S2 duty

P ₁ [W]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i		Versione motore Motor version	P ₁ [W]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i		Versione motore Motor version		
100							140								
(3000 min ⁻¹)	44.4	14	1.8	67.5		070/026/521	120/240	(3000 min ⁻¹)	44.4	20	1.3	67.5		100/026/521	120/240/24E
	29.6	21	1.2	101.3				29.6	25	1.0	101.3				
	22.2	25	1.0	135.0				44.4	20	2.0	67.5		100/026/621	120/240/24E	
	14.8	25	1.0	202.5				29.6	29	1.4	101.3				
	11.1	25	1.0	270.0				22.2	37	1.1	135.0				
	8.9	25	1.0	337.5				14.8	40	1.0	202.5				
	7.4	25	1.0	405											
	12.0	25.0	1.0	250.1				070/026/522	120/240	250					
	8.0	25.0	1.0	375.15	(3000 min ⁻¹)	44.4			25.0	1.0	67.5		180/026/521	120/240	
	6.0	25.0	1.0	500.2		44.4			37	1.1	67.5				
	4.0	25.0	1.0	750.3		29.6			40	1.0	101.3				
	3.0	25.0	1.0	1000.4		22.2			40	1.0	135.0				
	2.4	25.0	1.0	1250.5											
	2.0	25.0	1.0	1500.6											
	1.1	25.0	1.0	2734											
	44.4	14.3	2.8	67.5		070/026/621	120/240	250							
	29.6	20.1	2.0	101.3			(3000 min ⁻¹)	44.4	25.0	1.0	67.5		180/026/521	120/240	
	22.2	25.4	1.6	135				44.4	37	1.1	67.5				
	14.8	34.0	1.2	202.5				29.6	40	1.0	101.3				
	11.1	40.0	1.0	270				22.2	40	1.0	135.0				
	8.9	40.0	1.0	337.5											
	7.4	40.0	1.0	405											
	12.0	50.0	1.0	250.1				070/026/622	120/240	250					
	8.0	50.0	1.0	375.15	(3000 min ⁻¹)	44.4			25.0	1.0	67.5		180/026/521	120/240	
	6.0	50.0	1.0	500.2		44.4			37	1.1	67.5				
	4.0	50.0	1.0	750.3		29.6			40	1.0	101.3				
	3.0	50.0	1.0	1000.4		22.2			40	1.0	135.0				
	2.4	50.0	1.0	1250.5											
	2.0	50.0	1.0	1500.6											
	1.1	50.0	1.0	2734											

NOTA:
Verificare sempre che la coppia M2 utilizzata non ecceda il valore indicato nelle caselle in grigio

NOTE:
Please check that the output torque M2 does not exceed the value in the grey areas

NOTA: per servizio continuo o altamente intermittente, contattare il servizio tecnico

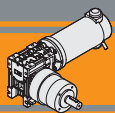
NOTE: for continuous or highly intermittent duty, please contact our technical service

DC

Dati tecnici elettrici

Electrical technical data

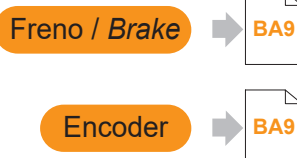
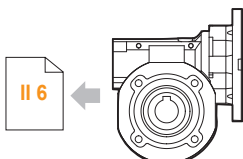
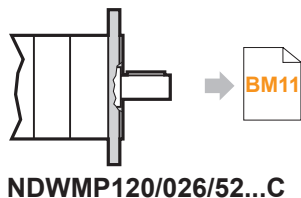
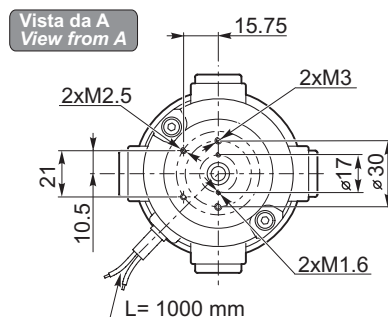
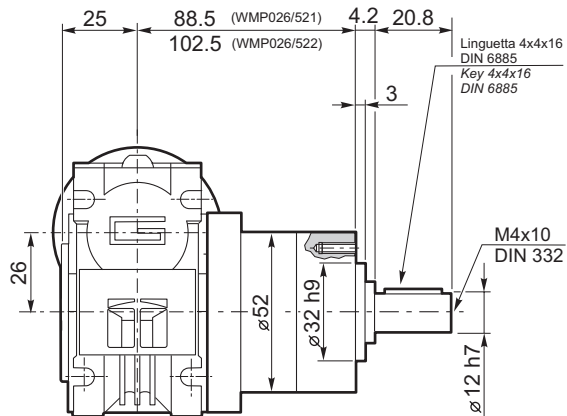
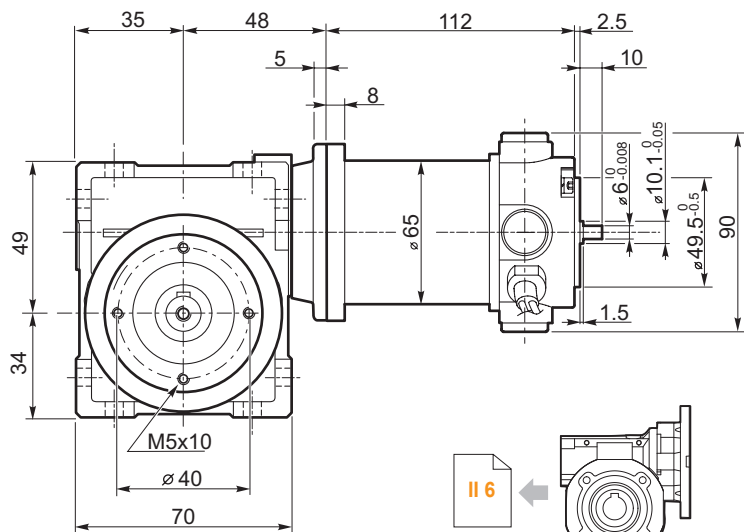




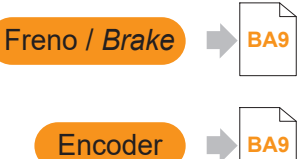
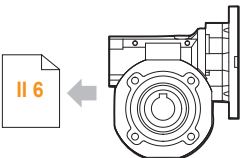
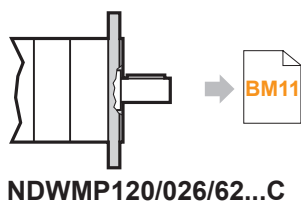
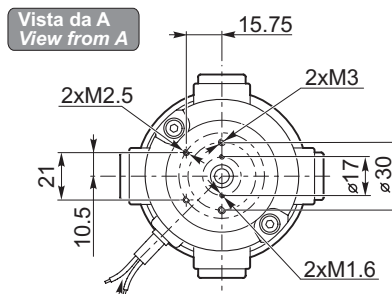
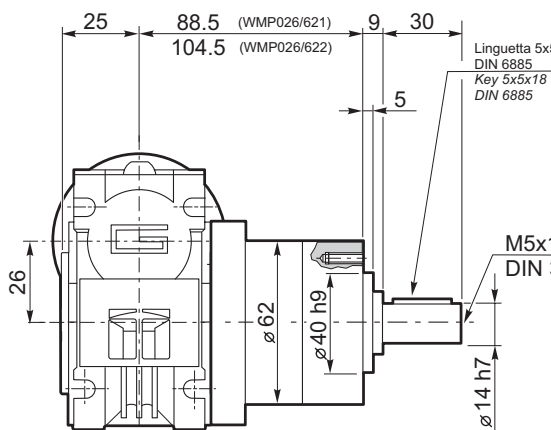
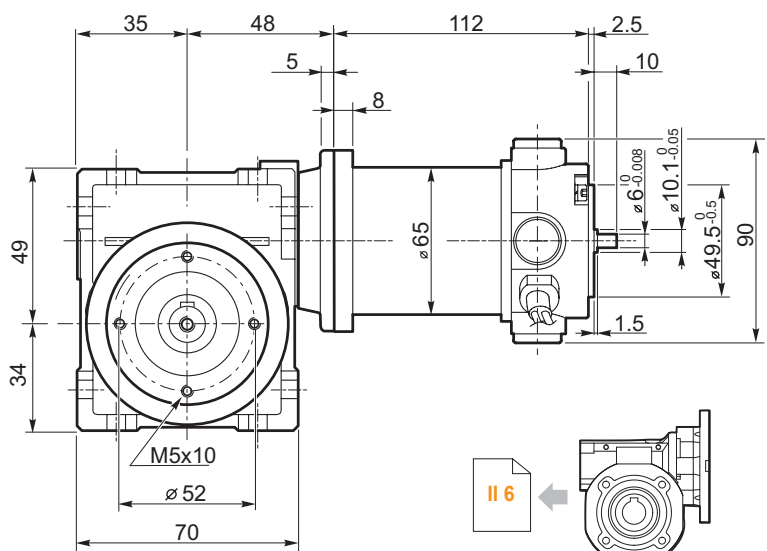
Dimensioni

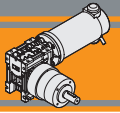
Dimensions

NDWMP120/026/52...U



NDWMP120/026/62...U

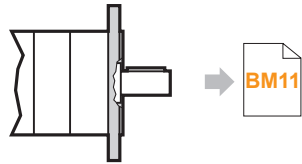
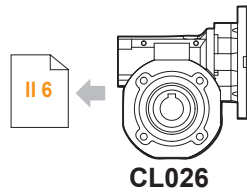
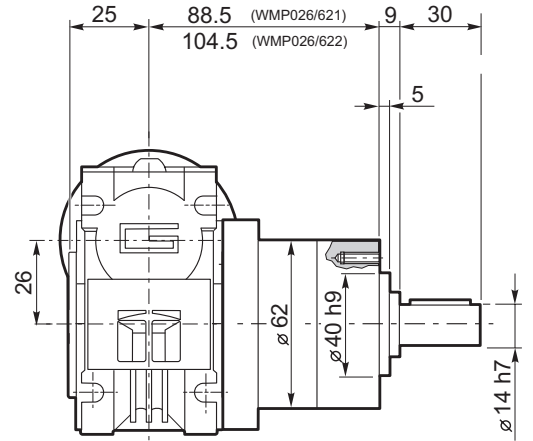
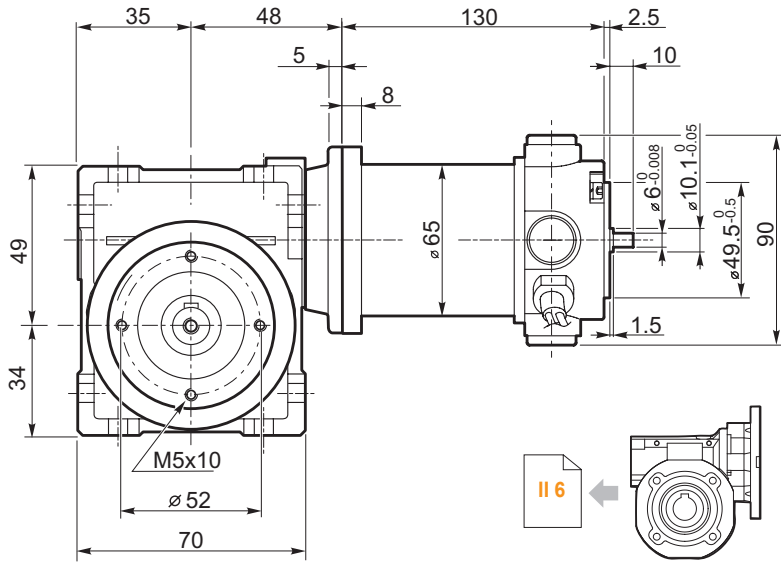




Dimensioni

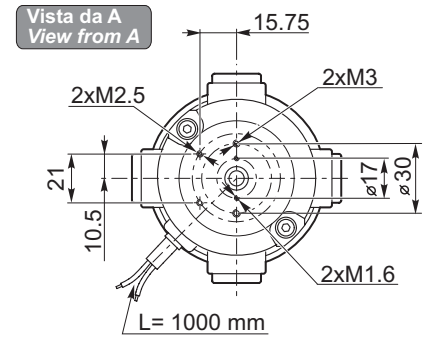
Dimensions

NDWMP180/026/62...U

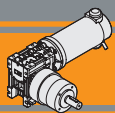


NDWMP180/026/62...C

- Freno / Brake** → **BA9**
- Encoder** → **BA9**



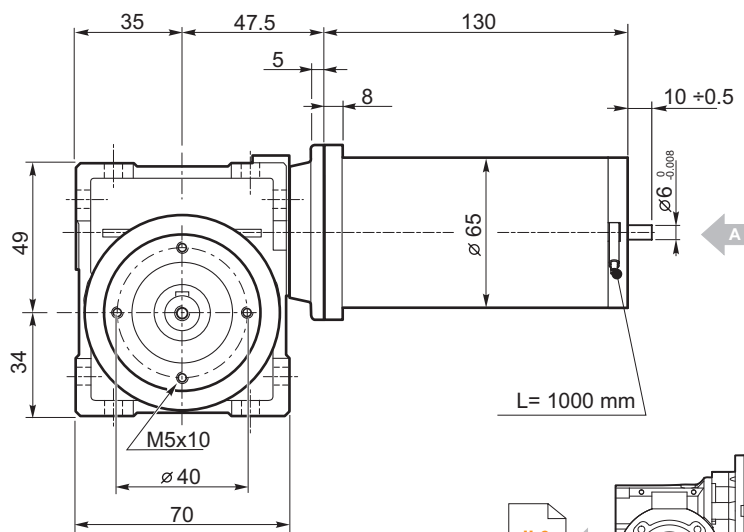
DC



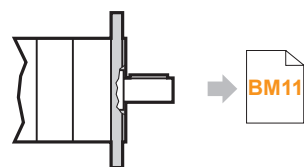
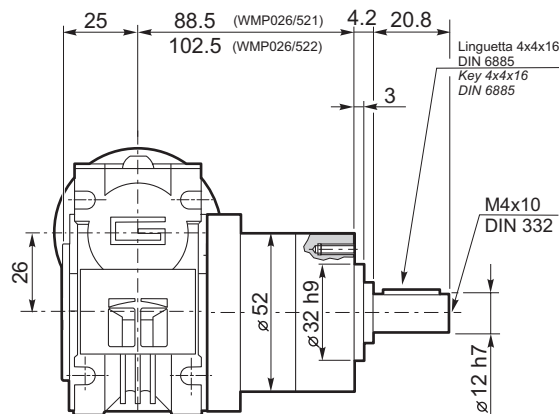
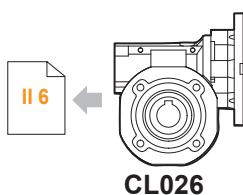
Dimensioni

Dimensions

ECWMP070/026/52...U



L = 1000 mm



ECWMP070/026/52...C

Motori / Motors IP66

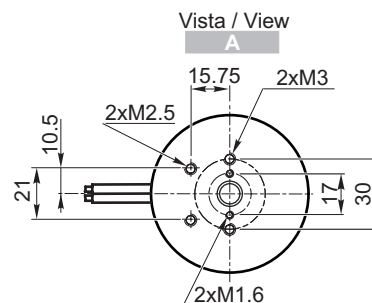
BC2

Freno / Brake

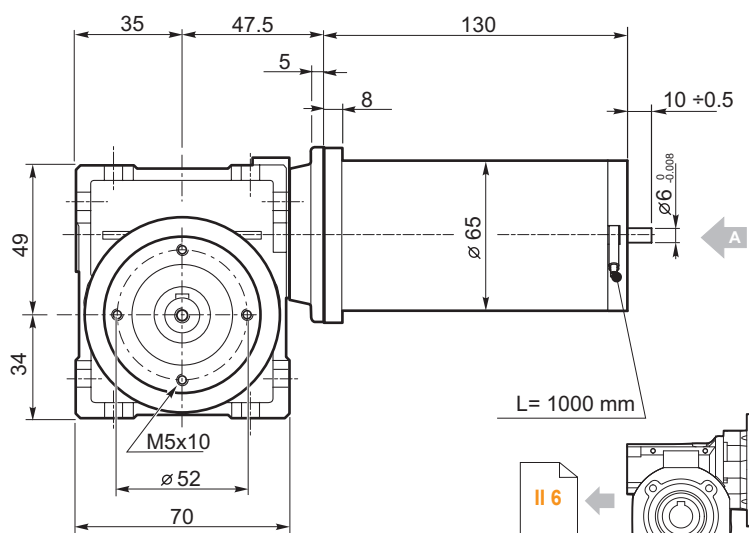
BB23

Encoder

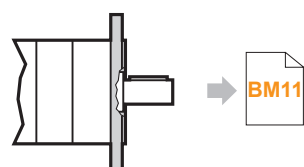
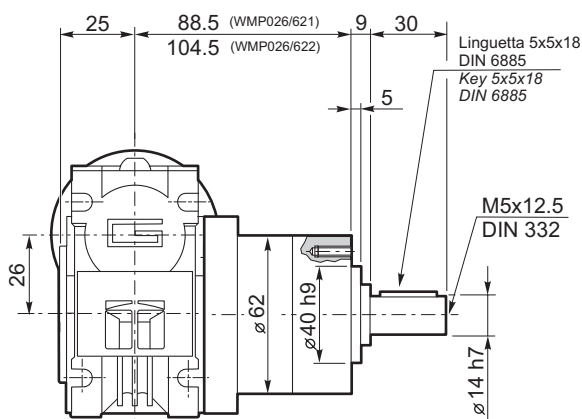
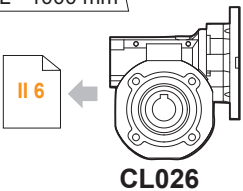
BB24



ECWMP070/026/62...U



L = 1000 mm



ECWMP070/026/62...C

Motori / Motors IP66

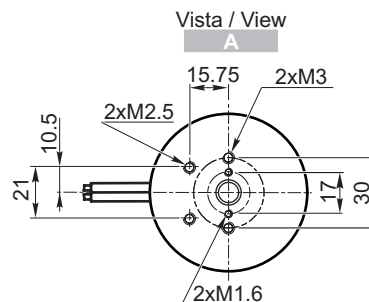
BC2

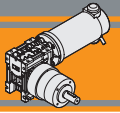
Freno / Brake

BB23

Encoder

BB24

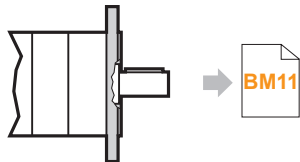
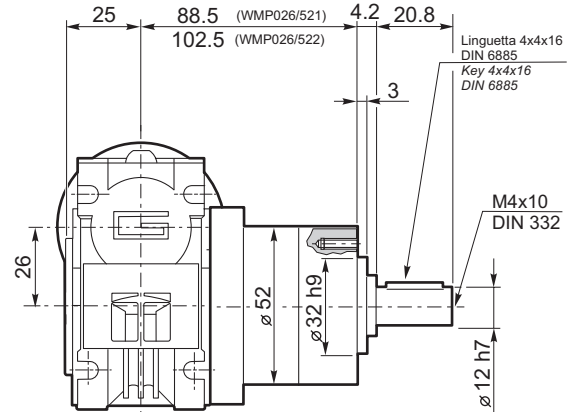
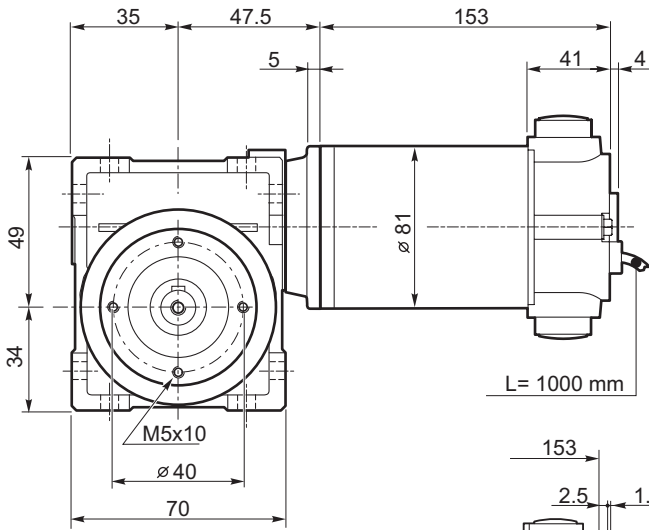




Dimensioni

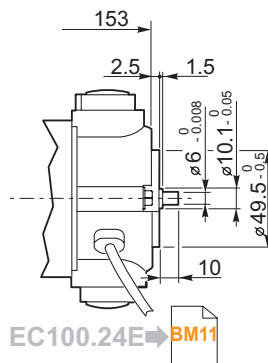
Dimensions

ECWMP100/026/52...U



BM11

ECWMP100/026/52...C



EC100.24E → BM11

Motori / Motors IP66 →

BC4

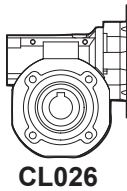
Freno / Brake →

BB23

Encoder →

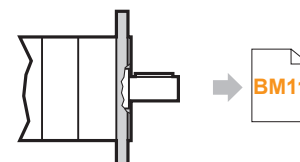
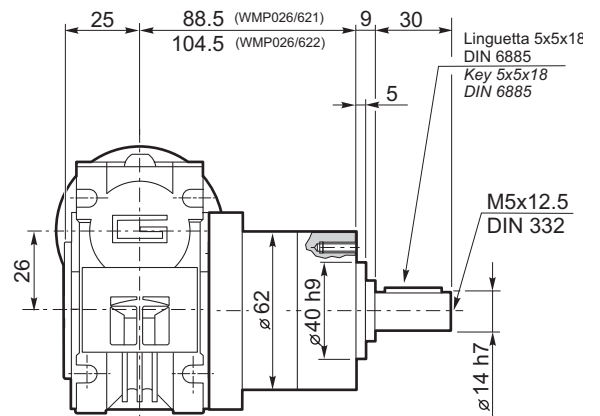
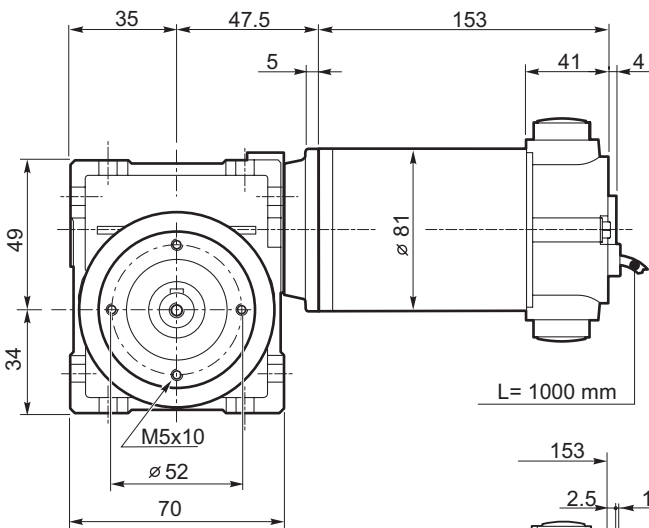
BB24

II 6



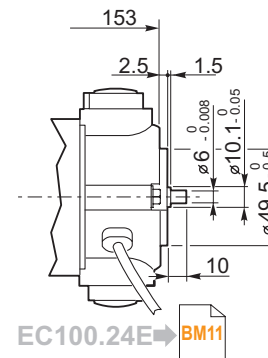
CL026

ECWMP100/026/62...U



BM11

ECWMP100/026/62...C



EC100.24E → BM11

Motori / Motors IP66 →

BC4

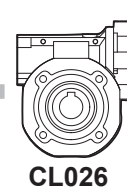
Freno / Brake →

BB23

Encoder →

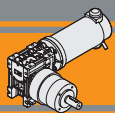
BB24

II 6



CL026

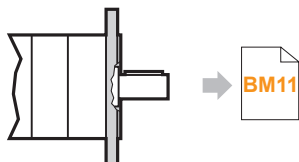
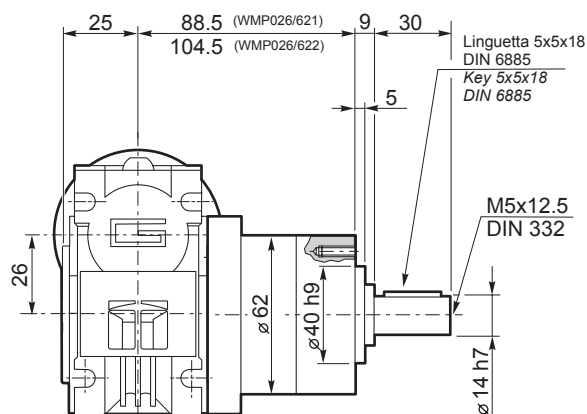
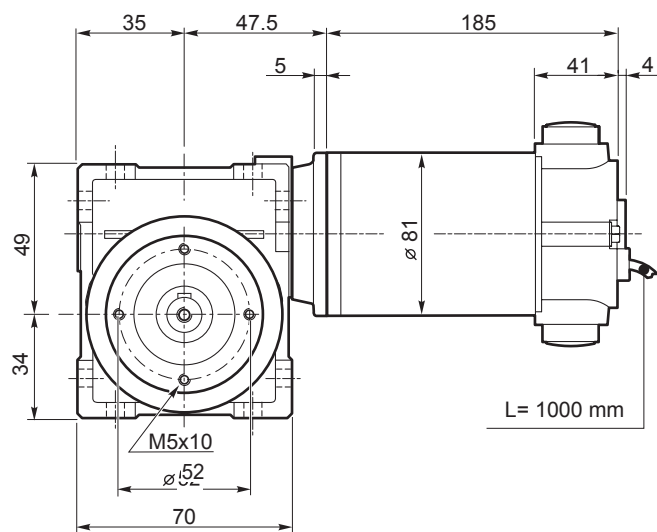
DC



Dimensioni

Dimensions

ECWMP180/026/62...U

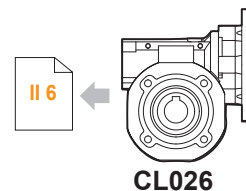


ECWMP180/026/62...C

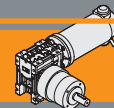
Motori / Motors IP66 → **BC6**

Freno / Brake → **BB23**

Encoder → **BB24**



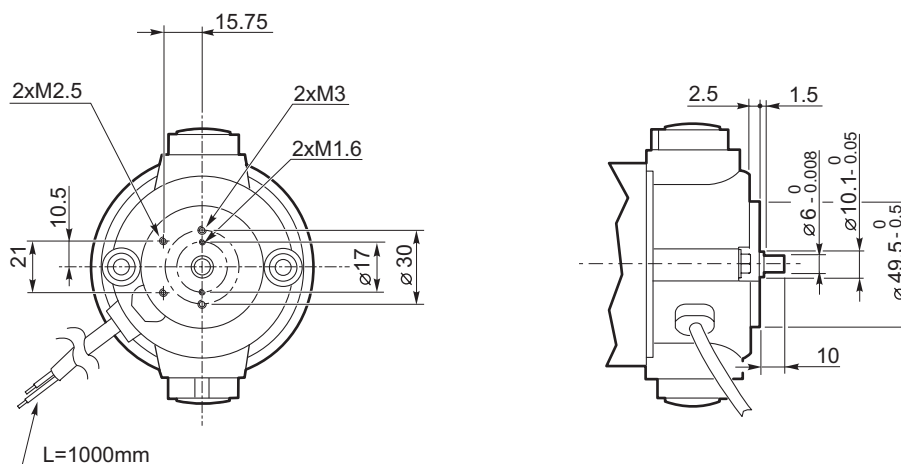
CL026



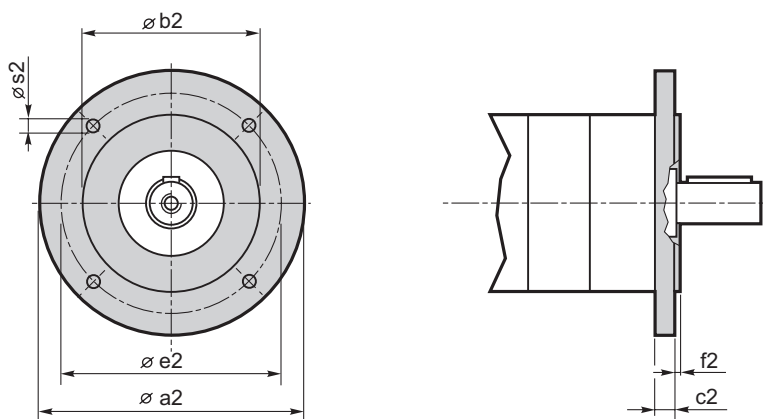
Dimensioni

Dimensions

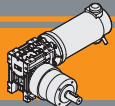
ECWMP100.24E
ECWMP180.24E



NDWMP.../.../... C... - ECWMP.../.../... C... Flange uscita / Output flanges



Dimensioni / Dimensions							
P	a2	b2	c2	e2	f2	s2	Flangia uscita Output flange
52	80	50 j7	9	65	2.5	M5	C80
	90	60 j7	9	75	2.5	5.5	C90
	105	70 j7	9	85	2.5	6.5	C105
	120	80 j7	9	100	3.0	6.5	C120
62	80	50 j7	9	65	2.5	M5	C80
	90	60 j7	9	75	2.5	5.5	C90
	105	70 j7	9	85	2.5	6.5	C105
	120	80 j7	9	100	3.0	6.5	C120



Note/Notes

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